

TOKISTAR

Focal Series



TOKISTAR LIGHTING

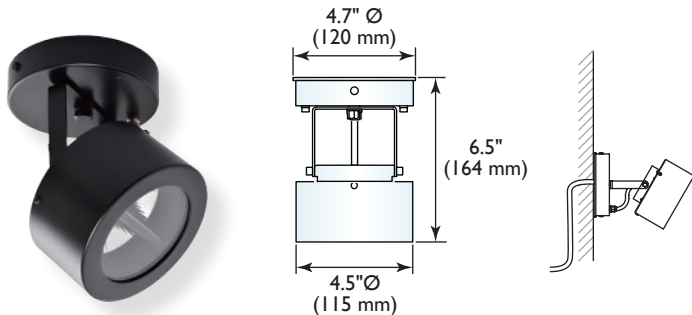


Focal Series™

Tokistar's Focal Series are all-environment fixtures producing a very concentrated 3 degree beam of light with a glare-free reflector. Beam direction can be precisely controlled by rotating and pivoting the fixtures. Light sources are 2.1 watt LEDs operating from our dimmable 700mA LED drivers. Fixtures are listed for wet locations and have an IP66 rating.

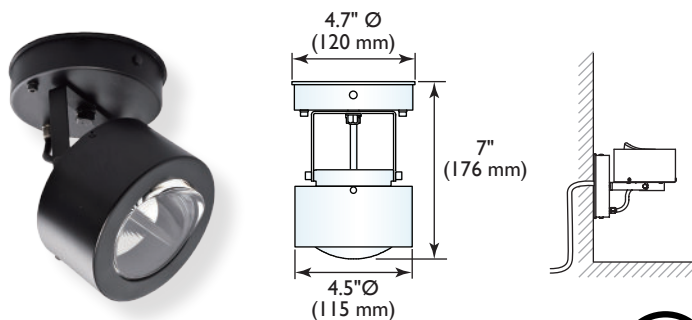
Focal Spotlight™

Focal Spotlight is used to pinpoint distant objects with a 3 degree beam of symmetrical light.

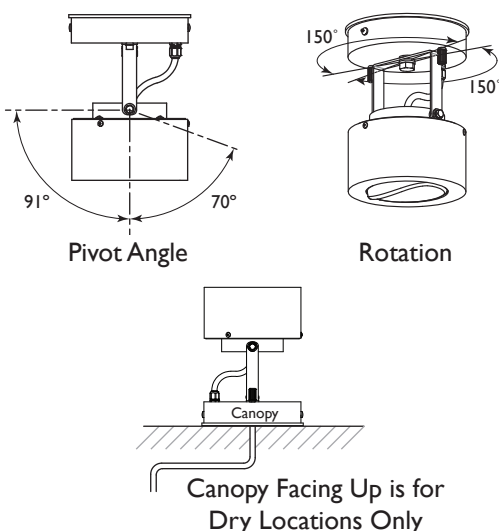


Focal Line™

Focal Line features an asymmetrical lens to cast a line of light on building facades.



Fixture Orientation



Focal Series is ETL Wet-Location Listed with an IP66 rating and marked in accordance with CE Standards.



Specifications

LED Current: 700mA (Constant Current)
LED Power: 2.1W
Focal Spotlight Cd: 30,000
Focal Line Cd: 17,000
Beam Angle: 3°
Color Temperatures: 3000K, 5000K
Focal Spotlight Lumens:
3000K/73 lm, 5000K/83 lm
Focal Line Lumens:
3000K/88 lm, 5000K/100 lm
CRI: 80
Enclosure Rating: IP66
Weight: 1.7 lbs

Beam Angle 3°		
Distance / Ø		Foot Candles
16'	Ø 10"	112
32'	Ø 20"	28
50'	Ø 30"	13
65'	Ø 40"	7

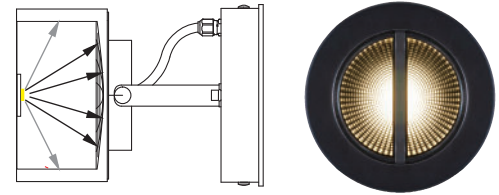
Values shown are for 5000K modules.

Specify by Catalog Number

FSP - 3000K - 03D - B

Series		LED Color		Lens		Fixture Color	
Code	Lens	Code	Color	Code	Type	Code	Color
FSP	Symmetrical	3000K	3000K	03D	3°	B	Black
FLN	Asymmetrical	5000K	5000K				

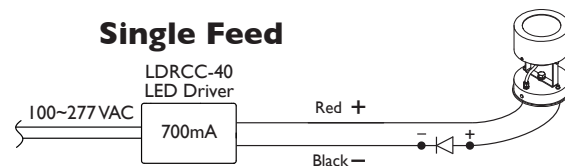
The LED is discreetly positioned out of direct view and light is focused on a multi-faceted reflector for a concentrated 3 degree beam of glare-free light.



Wiring Diagrams

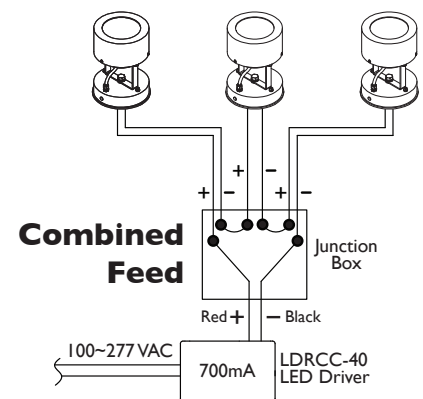
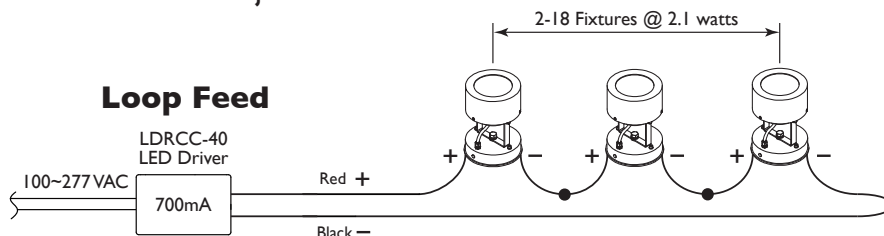
Single Fixture Diagram

A single fixture application requires the addition of a factory-installed diode in order to meet the minimum load levels of an LED driver.



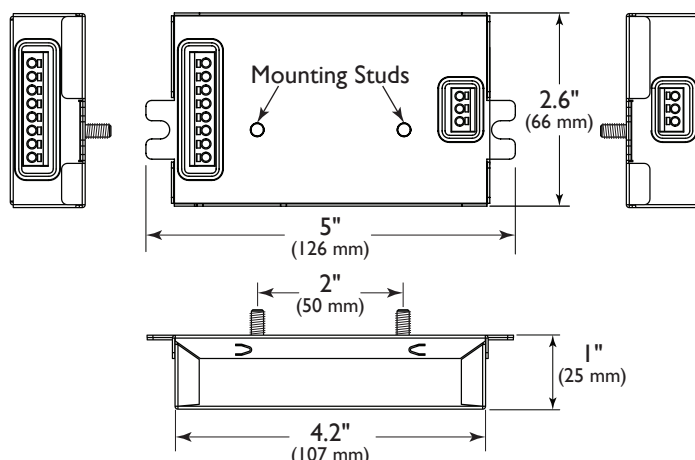
Multiple Fixture Diagram

From 2-18 fixtures can be fed from a single LED driver. These may be wired in a series/loop configuration, or each fixture can have independent lead wires routed back to the LED driver location and combined in a junction box.



LDRCC-40 DIMMABLE LED DRIVER

Our constant current LED driver offers PWM dimming from 0-10V dimming control and has full range dim-to-off capability. This ensures smooth flicker-free operation at all levels. The input is universal ranging from 100 to 277VAC 50/60 Hz.



LDRCC-40 Specifications

Input Range: 100~277VAC
Frequency Range: 50/60 Hz
Output: 3-57 VDC
Current: 700mA
Max. Output Power: 40W
Protection: Overload, Overcurrent, Short Circuit
Over Temperature, Mis-Wiring protection (auto shutdown)
Operating Temperature: -40°C to +50°C

Mechanical Specifications

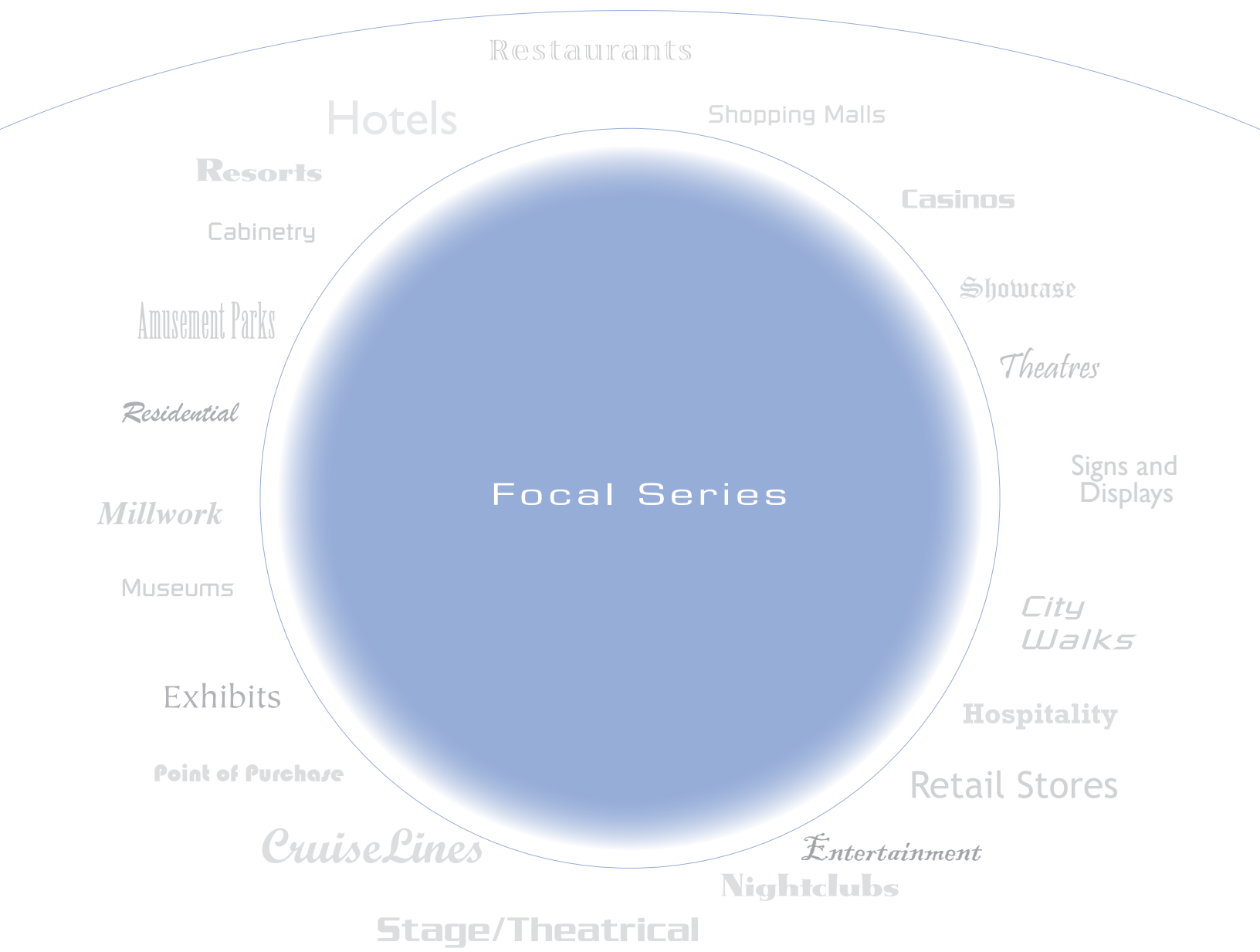
Dimensions: 5" x 2.6" x 1"
Weight: 0.4 lbs
Enclosure Rating: IP21
Mounting: Flange Mount/Stud Mount
Input/Output Connectors: Wago 253/16-20AWG

Safety Standards

Listed to UL8750, UL Class 2, Class P
EMI Compliance: FCC 47CFR Part 15 Class B

LED Capacity

2.1 Watt Fixtures: 2 to 18



TOKISTAR® LIGHTING INC.

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TOKISTAR Focal SpotMini



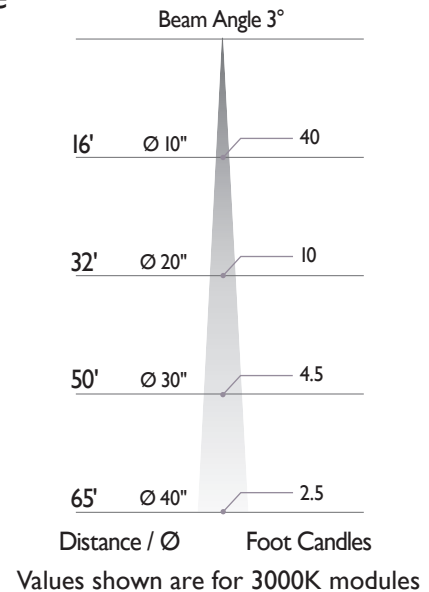
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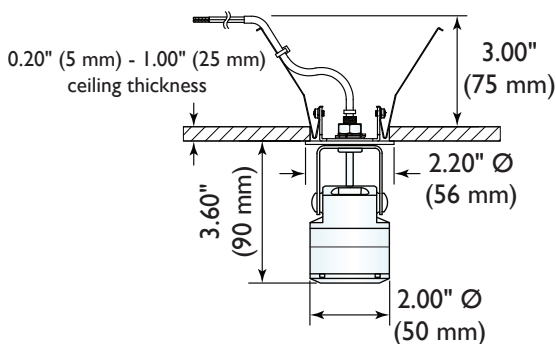
Focal SpotMini™

With the advent of LED down lights, there has been a void on how to precisely focus a concentrated beam of glare-free light on distant objects. Tokistar's Focal SpotMini is the innovative solution.

This luminaire produces a concentrated 3° beam of light with a glare-free reflector. Light sources are 2.1 watt LEDs. Beam direction is precisely controlled by having the ability to rotate and pivot the fixture head.



Specifications



LED Current: 700mA
LED Power: 2.1W
Cd: 10,800
Beam Angle: 3°
Color Temperatures: 2400K, 2700K, 3000K, 4000K, 5000K
Lumens: 3000K/45 lm, 5000K/55 lm
CRI: 85
Rotation: 360°
Pivot: 90°
Cutout Dimension: 2" Ø
Fixture Weight: 0.6 lbs

Focal SpotMini is ETL Listed to UL Standards and marked in accordance with CE Standards.



PVC Insulation surrounds two # 22 AWG

Retainer Clips are Stainless Steel

Ceiling Plate is Painted Steel

Fixture Housing is Aluminum

Fixture Cap is PBT

Lens is Acrylic

Specify by Catalog Number

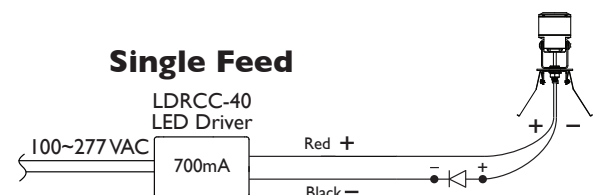
FSM - 3000K - 03D - B

LED Color		Lens		Fixture Color	
Code	Color	Code	Style	Code	Color
2400K	2400K	03D	3"	B	Black
2700K	2700K			W	White
3000K	3000K				
4000K	4000K				
5000K	5000K				

Wiring Diagrams

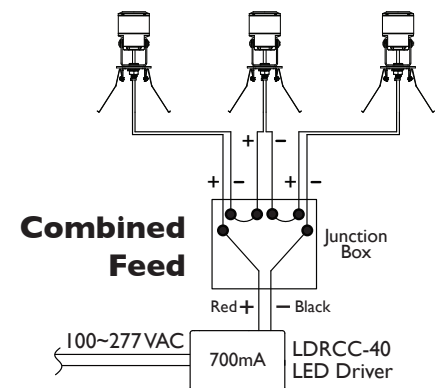
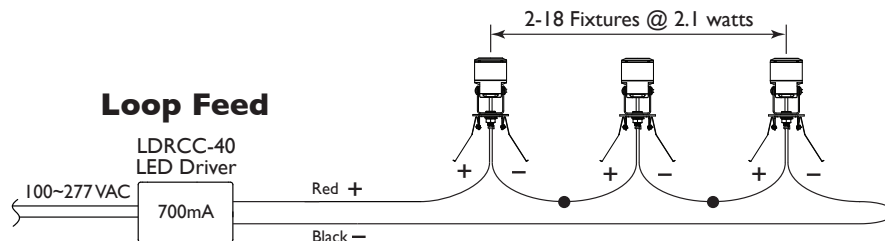
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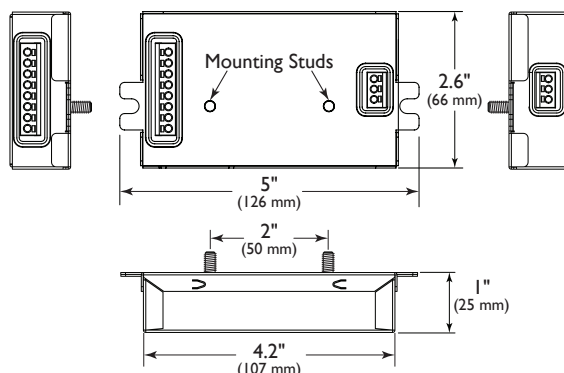
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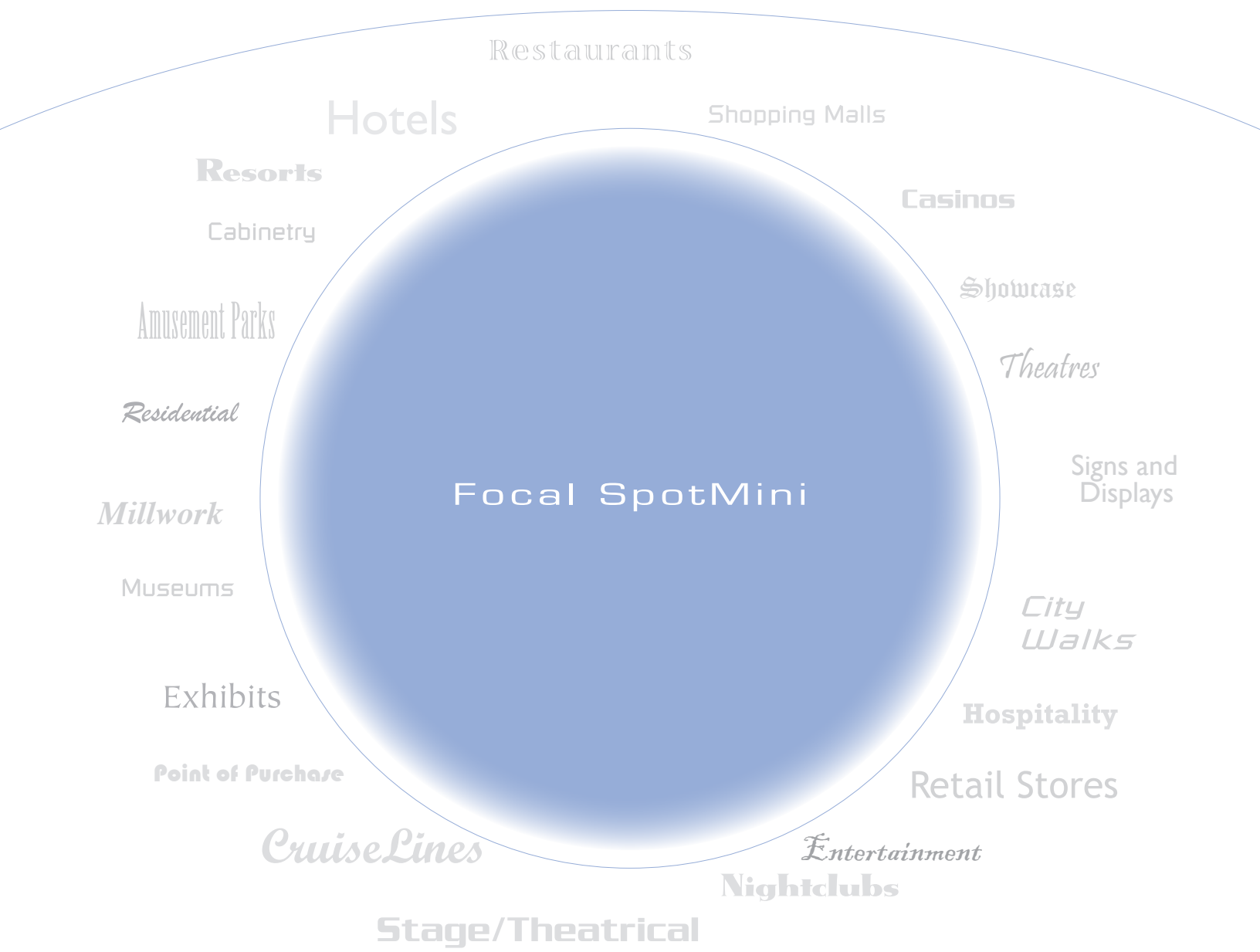
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